ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	SWITCHABLE VOLUME HOLOGRAM MATERIALS AND DEVICES

Application Number: 10/691600
Confirmation Number: 7295
First Named Applicant: Richard Sutherland
Attorney Docket Number: SAIC0003-C4-C2
Art Unit: 1712
Search string: (5272550 or 5270843 or 5264950 or 5258008 or 5240636 or 5235445 or 5234447 or 5227906 or 5227859 or 5210630 or 5198912 or 5188638 or 5182180 or 5182665 or 5174276 or 5170925 or 5166813 or 5144690 or 5136666 or 5105298 or 5096282 or 5084203 or 5047040 or 5015249 or 5014709 or 5011624 or 5003386 or 4994204 or 4983176 or 4942102 or 4938568 or 4930674 or 4929240 or 4923269 or 4891152 or 4857425 or 4856876 or 4832424 or 4818070 or 4810063 or 4809713 or 4728547 or 4688900 or 4673241 or 4560249 or 4416540 or 4374371 or 4368736 or 4210132 or 4124947).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5272550	1993-12-21	Dickson, et al.		359	3
	2	5270843	1993-12-14	Wang		359	52
	3	5264950	1993-11-23	West, et al.		359	51
	4	5258008	1993-11-02	Wilk		606	219
	5	5240636	1993-08-31	Doane, et al.		252	299.01
	6	5235445	1993-08-10	Hirai, et al.		359	52
	7	5234447	1993-08-10	Kaster, et al.		606	153
	8	5227906	1993-07-13	Tokumitsu		359	117
	9	5227859	1993-07-13	Leib, et al.		556	347

	10	5210630	1993-05-11	Heynderickx,et al.	359	106
	11	5198912	1993-03-30	Ingwall, et al.	359	3
	12	5188638	1993-02-23	Tzakis	606	153
	13	5182180	1993-01-26	Gambogi, Jr., et al.	430	1
	14	5182665	1993-01-26	O'Callaghan, et al.	359	95
	15	5174276	1992-12-29	Crockard	128	4
	16	5170925	1992-12-15	Madden, et al.	227	175
	17	5166813	1992-11-24	Metz	359	15
	18	5144690	1992-09-01	Domash	385	12
	19	5136666	1992-08-04	Anderson, et al.	385	24
	20	5105298	1992-04-14	Schellenberg	359	3
	21	5096282	1992-03-17	Margerum, et al.	359	3
	22	5084203	1992-01-28	Sansone, et al.	252	299.5
	23	5047040	1991-09-10	Simpson, et al.	606	159
	24	5015249	1991-05-14	Nakao, et al.	606	142
	25	5014709	1991-05-14	Bjelkhagen, et al.	128	654
	26	5011624	1991-04-30	Yamagishi, et al.	252	299.5
	27	5003386	1991-03-26	Doyle, et al.	358	90
	28	4994204	1991-02-19	Doane, et al.	252	299.01
	29	4983176	1991-01-08	Cushman, et al.	606	151
	30	4942102	1990-07-17	Keys, et al.	430	1
	31	4938568	1990-07-03	Margerum, et al.	350	334
	32	4930674	1990-06-05	Barak	227	179
	33	4929240	1990-05-29	Kirsch, et al.	606	151
	34	4923269	1990-05-08	Healey	350	96.15
	35	4891152	1990-01-02	Miller, et al.	252	299.01
	36	4857425	1989-08-15	Phillips	430	1
	37	4856876	1989-08-15	Fergason	350	350 F
	38	4832424	1989-05-23	McGrew	350	3.65
	39	4818070	1989-04-04	Gunjima, et al.	350	334
	40	4810063	1989-03-07	Fergason	350	347 V
	41	4809713	1989-03-07	Grayzel	128	785
	42	4728547	1988-03-01	Vaz, et al.	428	1
	43	4688900	1987-08-25	Doane, et al.	350	347 V
	44	4673241	1987-06-16	Nishiwaki, et al.	350	3.64
	45	4560249	1985-12-24	Nishiwaki, eta l.	350	162.17

	46	4416540	1983-11-22	Nicholson	350	3.69
	47	4374371	1983-02-15	Narancic	337	159
	48	4368736	1983-01-18	Kaster	128	334 C
	49	4210132	1980-07-01	Perlin	128	1 R
	50	4124947	1978-11-14	Kuhl, et al.	40	453

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US Patent Documents

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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6211976	2001-04-03	Popovich, et al.		359	15
	2	6172778	2001-01-09	Reinhorn, et al.		359	15
	3	6115152	2000-09-05	Popovich, et al.		359	15
	4	5942157	1999-08-24	Sutherland, et al.		252	582
	5	5937115	1999-08-10	Domash		385	16
	6	5930011	1999-07-27	Gambogi, Jr., et al.		359	15
	7	5915051	1999-06-22	Damask, et al.		385	16
	8	5875012	1999-02-23	Crawford, et al.		349	74
	9	5862214	1999-01-19	Aggus, et al.		379	435

	10	5852504	1998-12-22	Kato, et al.	359	9
	11	5832148	1998-11-03	Yariv	385	16
	12	5771320	1998-06-23	Stone	385	16
	13	5751452	1998-05-12	Tanaka, et al.	359	52
	14	5748272	1998-05-05	Tanaka, et al.	349	86
	15	5734485	1998-03-31	Buchkremer, et al.	359	25
	16	5731853	1998-03-24	Taketomi, et al.	349	15
	17	5725970	1998-03-10	Martin, et al.	430	2
	18	5706375	1998-01-06	Mihailov, et al.	385	24
	19	5698343	1997-12-16	Sutherland, et al.	430	1
	20	5698134	1997-12-16	Jubb, et al.	252	299.01
	21	5695682	1997-12-09	Doane, et al.	252	299.01
	22	5682214	1997-10-28	Amako, et al.	349	74
	23	5680233	1997-10-21	Faris, et al.	359	41
	24	5661577	1997-08-26	Jenkins, et al.	359	11
	25	5661533	1997-08-26	Wu, et al.	349	169
	26	5648857	1997-07-15	Ando, et al.	359	12
	27	5641426	1997-06-24	Nerad, et al.	252	299.01
	28	5593615	1997-01-14	Nerad, et al.	252	299.01
	29	5547786	1996-08-20	Brandstetter, et al.	430	1
	30	5544268	1996-08-06	Bischel, et al.	385	4
	31	5529861	1996-06-25	Redfield	430	1
	32	5499118	1996-03-12	Wreede, et al.	359	12
	33	5488681	1996-01-30	Deacon, et al.	385	37
	34	5471326	1995-11-28	Hall, et al.	359	15
	35	5453338	1995-09-26	Suga, et al.	430	1
	36	5384067	1995-01-24	Doane, et al.	252	299.01
	37	5376095	1994-12-27	Ortiz	505	143
	38	5366462	1994-11-22	Kaster, et al.	505	153
	39	5363228	1994-11-08	DeJule, et al.	359	117
	40	5356557	1994-10-18	Jubb, et al.	252	299.01
	41	5354498	1994-10-11	Akashi, et al.	252	299.01
	42	5332618	1994-07-02	Austin	428	216
	43	5330486	1994-07-19	Wilk	606	139
	44	5330264	1994-07-19	Ando, et al.	359	12
	45	5328800	1994-07-12	Yokoya, et al.	430	203

	46	5323251	1994-06-21	Coates, et al.	359	51
	47	5313317	1994-05-17	Saburi, et al.	359	13
	48	5303322	1994-04-12	Winston, et al.	385	146
	49	5299289	1994-03-29	Omae, et al.	359	95
	50	5291317	1994-03-01	Newswanger	359	15

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Search string: (4045124 or 4022947 or 4018228 or 4006963 or 4003629 or 3758186 or 3667946 or 3658526 or 3580655 or 3565509 or 3432225).pn.

US Patent Documents

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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4045124	1977-08-30	Pollack, et al.		350	160 LC
	2	4022947	1977-05-10	Grubb, et al.		428	432
	3	4018228	1977-04-19	Goosen		128	305
	4	4006963	1977-02-08	Baues, et al.		350	96 C
	5	4003629	1977-01-18	Baues, et al.		350	96 C
	6	3758186	1973-09-11	Brumm		350	3.5
	7	3667946	1972-06-06	Sturdevant		96	35.1
	8	3658526	1972-04-25	Haugh		96	27
	9	3580655	1971-05-25	Leith, et al.		350	3.5
	10	3565509	1971-02-23	Sulzbach		350	164
	11	3432225	1969-03-11	Rock		350	164

Signature

Examiner Name	Date

6,073Form PTO-1449 (Rev. 2-32) U.S. Department of Commerce Patent & Trademark Office INFORMATION DISCLOSURE STATEMENT *(Use several sheets if necessary)*	Atty. Docket No. **SAIC0003-C4-CON2**	Serial No. **10/691,600**
	Applicant **Richard L. SUTHERLAND, et al.**	
	Filing Date **October 24, 2003**	Group **1712**

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
FOREIGN PATENT DOCUMENTS							
	*	WO 99/09440	2/25/99	Foster-Miller, Inc.	G02B	6/12	8/13/98
	*	JP 10319237	12/4/98	Fuji Xerox Co. Ltd.	G02B	5/32	5/22/97
	*	EP 0 867 749 A2	9/30/98	Xerox Corporation	G02F	1/1335	3/12/98
	*	EP 0 856 768 A2	8/5/98	Xerox Corporation	G02F	1/1347	1/27/98
	*	EP 0 856 766 A2	8/5/98	Xerox Corporation	G02F	1/1333	1/27/98
	*	EP 0 856 765 A1	8/5/98	Xerox Corporation	G02F	1/1333	1/23/98
		WO 98/04650	2/5/98	Science Applications International Corporation	C09K	19/00	7/11/97
	*	WO 97/27519	7/31/97	Foster-Miller, Inc.	G03H	1/04	1/29/97

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* References cited in parent (U.S. Serial No. 09/429,645), and not provided herewith.

FOREIGN PATENT DOCUMENTS CONT'D.							
	*	GB 2 292 745	3/6/96	Merck Patent GmbH	C09K	19/44	3/8/95
		DE 44 08 746 A1	9/21/95	Medolas Ges Fuer Medizintechni	A61B	17/36	3/15/94
	*	EP 0 672 386 A1	9/20/95	Surgical Systems & Instruments, Inc.	A61B	17/22	3/10/94
		WO 95/17127	6/29/95	Rygaard, Jorgen	A61B	17/11	4/12/94
	*	GB 2 281 566	3/8/95	Merck Patent GmbH	C09K	19/30	9/2/94
	*	JP 6-190185	4/27/94	Zanussi Elettrodomestici (IT)	D06F	39/12	
	*	WO 94/04958	3/3/94	Merck Patent GmbH	G02F	1/1333	8/12/93
	*	JP 3-188479 A	8/16/91	Fujitsu Ltd.	G03H	1/20	12/18/89
	*	EP 0 422 689 A2	4/17/91	Mountpelier Investments, S.A.	A61M	25/00	1/9/87
		SU 1635966	3/23/91	Sverdlovsk G Med. Inst.	A61B	17/00	3/17/88
	*	GB 2 222 696	3/14/90	Exitech Ltd.	G03H	1/04	7/9/88
	*	WO 89/06264	7/13/89	Hughes Aircraft Company	C09K	19/00	11/21/88
	*	JP 64-68784 A	3/14/89	Fujitsu Ltd.	G03H	1/20	9/10/87
	*	JP 60189729 A	9/27/85	Ricoh Co. Ltd.	G02F	1/133	3/9/84
	*	EP 0 087 281 A1	8/31/83	Fujitsu Ltd.	G03H	1/20	2/18/83

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FOREIGN PATENT DOCUMENTS CONT'D.							
		WO 81/00668	3/19/81	Jansen, Anton	A61B	17/11	9/5/80
	*	CA 544591	8/6/57	National Research Development Corp.			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
*	International Search Report for Application No. PCT/US97/12577, dated January 14, 1998 (mailing date)
*	Written Opinion for Application No. PCT/US97/12577, dated April 28, 1998 (mailing date)
*	Preliminary Examination Report for Application No. PCT/US97/12577, dated September 3, 1998 (mailing date)
*	European Search Report for Application No. EP 97 93 7988, dated October 13, 1999
*	International Search Report, dated October 13, 1999
*	International Search Report, dated January 3, 2001
*	International Search Report for Application No. PCT/US00/34661, dated July 17, 2001
*	International Search Report for Application No. PCT/US01/40691, dated September 5, 2001 (mailing date)
*	International Preliminary Examination Report for Application No. PCT/US00/34661, dated February 20, 2002
*	Written Opinion for Application No. PCT/US01/40691, dated May 15, 2002 (mailing date)
*	Preliminary Examination Report for Application No. PCT/US01/40691, dated September 10, 2002 (mailing date)
	Sutherland, Richard L., "Polarization and Switching Properties of Holographic Polymer-Dispersed Liquid-Crystal Gratings. I. Theoretical Model," *J. Opt. Soc. Am. B*, Vol. 19, No. 12, pp. 2995-3003, December, 2002

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OTHER DOCUMENTS CONT'D. (Including Author, Title, Date, Pertinent Pages, Etc.)		
hr		Sutherland, Richard L., et al., "Polarization and Switching Properties of Holographic Polymer-Dispersed Liquid-Crystal Gratings. II. Experimental Investigations," *J. Opt. Soc. Am. B*, Vol. 19, No. 12, pp. 3004-3012, December, 2002
hr		Sutherland, Richard L., et al., "Evolution of Anisotropic Reflection Gratings Formed in Holographic Polymer-Dispersed Liquid Crystals," *Applied Physics Letters*, Vol. 79, No. 10, pp. 1420-1422, September 3, 2001
hr		Bowley, Chris C., et al., "Variable-Wavelength Switchable Bragg Gratings Formed in Polymer-Dispersed Liquid Crystals," *Applied Physics Letters*, Vol. 79, No. 1, pp. 9-11, July 2, 2001
hr		"Handbook of Advanced Electronic and Photonic Materials and Devices," *Liquid Crystals, Display, and Laser Materials*, Vol. 7, Academic Press, Cover, Copyright Page, Table of Contents (xiii-xvi), pp. 67-103, Copyright 2001
hr		Cramer, Neil B., et al., "Kinetics of Thiol-Ene and Thiol-Acrylate Photopolymerizations with Real-Time Fourier Transform Infrared," *Journal of Polymer Science: Part A: Polymer Chemistry*, Vol. 39, pp. 3311-3319, 2001
hr		Warren, Garfield T., et al., "P-81: In-Situ Spectroscopy of Holographically Formed Polymer Dispersed Liquid Crystal Materials for High Performance Reflective Display Applications," *SID Digest of Technical Papers*, San Jose, pp. 866-869, 2001
hr		Sutherland, Richard L., et al., "Switchable Holograms for Displays and Telecommunications," *Proceedings of SPIE*, Vol. 4463, pp. 1-10, 2001
hr		Bowley, C. C., et al., "Improved Reflective Displays Based on Polymer-Dispersed Liquid Crystals," *J. Opt. Technol.*, Vol. 67, No. 8, pp. 717-722, August, 2000
hr		Domash, L., et al., "Holographic PDLC for Photonic Applications," *Proceedings of SPIE*, Vol. 4107, pp. 46-58, 2000
hr		Bunning, T. J., et al., Holographic Polymer-Dispersed Liquid Crystals (H-PDLCs)," *Annu. Rev. Mater. Sci.*, Vol. 30, pp. 83-115, 2000
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OTHER DOCUMENTS CONT'D. (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Cole, Michael C., et al., "Photoinitiatorless Photopolymerizations Involving Monomers That Form Charge Transfer Complexes," *Radtech Technical Proceedings*, Tokyo, Japan, pp. 211-220, December, 2000
	*	R. T. Pogue, et al., "Monomer Functionality Effects in the Anisotropic Phase Separation of Liquid Crystals," *Polymer* 41, pp. 733-741, 2000
	*	C. C. Bowley, et al., "45.3: Electro-Optic Investigations of H-PDLCS: The Effect of Monomer Functionality on Display Performance," *SID International Symposium, Digest of Technical Papers*, First Edition, pp. 958-961, May, 1999
	*	M. Escuti, et al., "5.3: A Model of the Fast-Switching Polymer-Stabilized IPS Configuration," *SID International Symposium, Digest of Technical Papers*, First Edition, pp. 32-35, May, 1999
		Natarajan, L. V., et al., "Electrically Switchable Reflection Gratings in Polymer Dispersed Liquid Crystals," *Mat. Res. Soc. Symp. Proc.*, Vol. 559, pp. 109-116, 1999
		Klosterman, A. M., et al., "Voltage Creep in Holographic PDLC Gratings," *Mat. Res. Soc. Symp. Proc.*, Vol. 559, pp. 129-134, 1999
	*	C. C. Bowley, et al., "Advances in Holographic Polymer Dispersed Liquid Crystal Technology," in *Liquid Crystal Materials and Devices*, Mat. Res. Soc. Symposium Proceedings, Vol. 559, pp. 97-107, 1999
	*	M. Date, et al., "Full-Color Reflective Display Device Using Holographically Fabricated Polymer-Dispersed Liquid Crystal (HPDLC)," *Journal of the Society for Information Display (SID)*, Vol. 7, pp. 17-22, 1999
	*	Seferis, James C., "Refractive Indices of Polymers," *Polymer Handbook*, 4th Edition, John Wiley & Sons, Inc., pp. 571-582, Copyright 1999
	*	C. C. Bowley, et al., "Morphology of Holographically-Formed Polymer Dispersed Liquid Crystals (H-PDLC)," *Mol. Cryst. Liq. Cryst.*, Vol. 331, pp. 209-216, 1999
	*	J. A. Firehammer, et al., "Lasing Pixels: A New Application for Polymer Dispersed Liquid Crystals (PDLCs)," *Mol. Cryst. Liq. Cryst.*, Vol. 331, pp. 165-172, 1999
	*	Richard L. Sutherland, et al., "Switchable Holograms for Displays and Other Applications," *SPIE Proceedings*, Vol. 3421, pp. 8-18, June, 1998
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OTHER DOCUMENTS CONT'D. (Including Author, Title, Date, Pertinent Pages, Etc.)		
	*	L. V. Natarajan, et al., "Holographic PDLCs for Optical Beam Modulation, Deflection, and Dynamic Filter Applications," *SPIE Proceedings*, Vol. 3292, pp. 44-51, January 28-29,1998
	*	K. Thilo Weitzel,et al., "Hologram Recording in DuPont Photopolymer Films by Use of Pulse Exposure," *Optics Letter*, Vol. 22, No. 24, December 15, 1997
	*	L. V. Natarajan, et al., "Electrically Switchable Holograms Containing Novel PDLC Structures," *SPIE Proceedings*, Vol. 3143, pp. 182-190, July 28-29,1997
	*	N. M. Lawandy, et al., "L1.3: Lasing Pixel PDLC Light Valves for Projection Applications," *SID International Symposium, Digest of Technical Papers*, First Edition, pp. 1001-1004, May, 1997
		Montemazzani, G., et al., "Light Diffraction at Mixed Phase and Absorption Gratings in Anisotropic Media for Arbitrary Geometries," *Physical Review E*, Vol. 55, No. 1, pp. 1035-1047, January, 1997
		Tondiglia, V. P., et al., "Effects of Varying Surfactants on the Electro-Optical Switching Characteristics of Volume Holograms Recorded in PDLC's," *Mat. Res. Soc. Symp. Proc.*, Vol. 479, pp. 235-240, 1997
	*	G. P. Crawford, et al., "Reflective Color LCDs Based on H-PDLC and PSCT Technologies," *Journal of the Society for Information Display*, Vol. 5, No. 1, pp. 45-48, 1997
	*	V. N. Mikhailov, et al., "Pulse Hologram Recording in DuPont's Photopolymer Films," *SPIE*, Vol. 3011, pp. 200-202, 1997
	*	D. Schwarze-Haller and F. Noack, "Nuclear Magnetic Resonance Field-Cycling Proton Relaxation Study of Polymer Dispersed Liquid Crystals," *J. Chem. Phys.*, Vol. 105, No. 11, pp. 4823-4832, September, 1996
	*	G. P. Crawford, et al., "Reflective Color LCDs Based on H-PDLC and PSCT Technologies," *SID International Symposium, Digest of Applications Papers*, pp. 99, May 14-16, 1996
	*	Lawrence H. Domash, et al., "Switchable-Focus Lenses in Holographic Polymer Dispersed Liquid Crystal," *SPIE*, Vol. 2689, pp. 188-194, May, 1996

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	*	Richard L. Sutherland, et al., "The Physics of Photopolymer-Liquid Crystal Composite Holographic Gratings," *SPIE Proceedings*, Vol. 2689, pp. 158-169, May, 1996
		T. J. Bunning, et al., "Liquid Crystals for Advanced Technologies," *Materials Research Society*, pp. 331-343, April 8-11, 1996
	*	Timothy J. Bunning, et al., "The Effects of Eliminating the Chain Extender and Varying the Grating Periodicity on the Morphology of Holographically Written Bragg Gratings," *SPIE Proceedings*, Vol. 2651, pp. 44-54, January 31 – February 1, 1996
	*	T. J. Bunning, et al., "Morphology of Reflection Holograms Formed *in situ* Using Polymer-Dispersed Liquid Crystals," *Polymer*, Vol. 37, No. 14, pp. 3147-3150, 1996
	*	G. S. Iannacchione, et al., "Deuterium NMR and Morphology Study of Polymer-Dispersed Liquid-Crystal Bragg Gratings," *Europhysics Letters*, Vol. 36, No. 6, pp. 425-430, 1996
	*	L. V. Natarajan, et al., "Electro-Optical Switching Characteristics of Volume Holograms in Polymer Dispersed Liquid Crystals," *Journal of Nonlinear Optical Physics and Materials*, Vol. 5, No. 1, pp. 89-98, January, 1996
	*	R. L. Sutherland, et al., "Switchable Bragg Gratings Formed *in situ* Within a Polymer-Dispersed Liquid Crystal Composite Medium," *Materials Research Society Symp. Proc.*, Vol. 425, pp. 331-341, April 8-11, 1996
	*	Richard L. Sutherland, et al., "Analysis of Periodic Polymer-Dispersed Liquid Crystal Structures for Dynamic Hologram Applications," *SPIE Proceedings*, Vol. 2532, pp. 309-318, July 10-12, 1995
	*	V. P. Tondiglia, et al., "Volume Holographic Image Storage and Electro-Optical Readout in a Polymer-Dispersed Liquid Crystal Film," *Optics Letters*, Vol. 20, No. 11, pp. 1325-1327, June 1, 1995
	*	Richard L. Sutherland, et al., "Switchable Holograms in New Photopolymer-Liquid Crystal Composite Materials," *SPIE Proceedings*, Vol. 2404, pp. 132-143, February 9-10, 1995
	*	T. J. Bunning, et al., "The Morphology and Performance of Holographic Transmission Gratings Recorded in Polymer Dispersed Liquid Crystals," *Polymer*, Vol. 36, No. 14, pp. 2699-2708, 1995

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

* References cited in parent (U.S. Serial No. 09/429,645), and not provided herewith.

OTHER DOCUMENTS CONT'D. (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Drzaic, P. S., "Phase Separation Methods for PDLC Films," in *Liquid Crystal Dispersions, World Scientific*, Singapore, pp. 30-59, 1995
	*	N. Kawatsuki and H. Ono, "Electro-Optical Properties of Polymer/(Liquid Crystal) Composite Film Fabricated by Two-Step Phase Separation Method," *Chemistry Letters*, No. 5, pp. 333-334, 1995
	*	R. L. Sutherland, et al., "Electrically Switchable Volume Gratings in Polymer-Dispersed Liquid Crystals," *Appl. Phys. Lett.*, Vol. 64, No. 9, pp. 1074-1076, February 28, 1994
	*	Richard L. Sutherland, et al., "Development of Photopolymer-Liquid Crystal Composite Materials for Dynamic Hologram Applications," *SPIE Proceedings*, Vol. 2152, pp. 303-313, January 26-28, 1994
	*	J. Zhang, et al., "Switchable Holograms Recorded in Liquid Crystalline Monomers," *SPIE*, Vol. 2042, pp. 238-247, January, 1994
	*	K. Tanaka, et al., "Holographically Formed Liquid-Crystal/Polymer Device for Reflective Color Display," *Journal of the Society for Information Display*, Vol. 2, No. 1, pp. 37-38, 1994
	*	L. Domash, et al., "Programmable Beamlet Generator, Dynamic Lens, and Optical Memory Using Electrically Switched Holographic Devices," *SPIE Proceedings*, Vol. 2026, pp. 642-652, November, 1993
		Jacobine, A. F., "Thiol-Ene Photopolymers (Chapter 7)," in *Radiation Curing in Polymer Science and Technology – Volume III, Polymerization Mechanisms*, Elsevier Applied Science, Cover Page, Copyright Page, Table of Contents (v-vi), pp. 219-268, Copyright 1993
	*	D. J. Lougnot, et al., "Photopolymers for Holographic Recording: IV. New Self-Processing Formulations Based on ß-Hydroxy Ethyloxazolidone Acrylate," *Pure Appl. Opt.*, Vol. 2, pp. 383-392, 1993
	*	R. L. Sutherland, et al., "Bragg Gratings in an Acrylate Polymer Consisting of Periodic Polymer-Dispersed Liquid Crystal Planes," *Chem. Mater.*, Vol. 5, No. 10, pp. 1533-1538, 1993
	*	H. I. Bjelkhagen, et al., "High-Resolution Contact Denisyuk Holography," *Applied Optics*, Vol. 31, No. 8, pp. 1041-1047, March 10, 1992

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

* References cited in parent (U.S. Serial No. 09/429,645), and not provided herewith.

OTHER DOCUMENTS CONT'D. (Including Author, Title, Date, Pertinent Pages, Etc.)		
bm	*	Hideya Murai, et al., "Electro-Optic Properties for Liquid Crystal Phase Gratings," *SPIE Proceedings*, Vol. 1665, pp. 230-239, February 11-13, 1992
bm	*	Lawrence H. Domash, "Applications of Dynamic Holograms for Quasi-Volume Storage," *SPIE Proceedings, Very Large Optical Memories-Materials and System Architectures*, Vol. 1773, 5 pp., 1992
bm		Luck, Russell M., et al., Shrinkage in Conventional Monomers During Polymerization (Chapter 1)," in *Expanding Monomers: Synthesis, Characterization, and Applications*, CRC Press, Inc., Cover Page, Copyright Page, Table of Contents (1 p.), pp. 1-61, 1992
bm	*	J. Zhang, et al., "Switchable Liquid Crystalline Photopolymer Media for Holography," *J. Am. Chem. Soc.*, Vol. 114(4), pp. 1506-1507 (1992)
bm	*	Richard T. Ingwall and Timothy Adams, "Hologram: Liquid Crystal Composites, *SPIE Proceedings*, Vol. 1555, pp. 279-290, July 24-25, 1991
bm	*	R. L. Sutherland, "Optical Limiters, Switches, and Filters Based on Polymer Dispersed Liquid Crystals," *SPIE Proceedings*, Vol. 1080, pp. 83-90, January 17-18, 1989
bm	*	A. M. Lackner, et al., "Droplet Size Control in Polymer Dispersed Liquid Crystal Films," *SPIE Proceedings*, Vol. 1080, pp. 53-61, January 17-18, 1989
bm		Yamagishi, Frederick G., et al., "Morphological Control in Polymer-Dispersed Liquid Crystal Film Matrices," *SPIE*, Vol. 1080, pp. 24-31, 1989
bm		Wu, Bao-Gang, et al., "Response Times and Voltages for PDLC Light Shutters," *Liquid Crystals*, Vol. 5, No. 5, pp. 1453-1465, 1989
bm		Smith, G. W., et al., "The Interfacial Free Energy of Nematogen Droplets in an Isotropic Matrix: Determination of its Temperature Dependence from Coalescence Kinetics," *Mol. Cryst. Liq. Cryst.*, Vol. 174, pp. 49-64, 1989
bm	*	G. von Bally, et al., "Gradient-Index Optical Systems in Holographic Endoscopy," *Applied Optics*, Vol. 23, No. 11, pp. 1725-1729, June 1, 1984
bm	*	Allan R. Tokuda, et al., "Holocamera for 3-D Micrography of the Alert Human Eye," *Applied Optics*, Vol. 19, No. 13, pp. 2219-2225, July 1, 1980
bm	*	Stephen A. Benton, et al., "One-Step White-Light Transmission Holography," *SPIE*, Vol. 215, pp. 156-161, 1980

EXAMINER	DATE CONSIDERED
	8/10/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

* References cited in parent (U.S. Serial No. 09/429,645), and not provided herewith.

OTHER DOCUMENTS CONT'D. (Including Author, Title, Date, Pertinent Pages, Etc.)		
hw	*	Stephen A. Benton, et al., "One-Step White-Light Transmission Holography," *SPIE*, Vol. 212, pp. 2-7, 1979
hw	*	Hori, Asai, and Fukai, "Field-Controllable Liquid-Crystal Phase Grating," *IEEE*, Vol. ED-16, p. 1734 (4 pp.), 1979
hw	*	Edited by H. Bennett, "Cooncise Chemical and Technical Dictionary, FAIC" Chemical Publishing Co., Inc., 1974
hw	*	R. A. Kashnow and J. E. Bigelow, "Diffraction From a Liquid Crystal Phase Grating," *Applied Optics*, Vol. 12, No. 10, pp. 2302-2304, October, 1973
hw		Kogelnik, Herwig, "Coupled Wave Theory for Thick Hologram Gratings," *The Bell System Technical Journal*, Vol. 48, No. 9, pp. 2909-2947, November, 1969
hw	*	Stoke, Funkhouser, Leonard, Indebetoew, and Zech, "Hand-Held Holography," 1 p., September 19, 1966
hw	*	G. W. Stroke and A. E. Labeyrie, "White-Light Reconstruction of Holographic Images Using the Lippmann-Bragg Diffraction Effect," *Physics Letters*, Vol. 20, No. 4, pp. 368-370, March 1, 1966
EXAMINER [signature]		DATE CONSIDERED 8/10/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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* References cited in parent (U.S. Serial No. 09/429,645), and not provided herewith.